

## **Abstract for Presentation by Christina M. Magerkurth, P.E.**

### **Verification of Landfill Gas Greenhouse Gas Emissions Credits**

Landfill gas management provides an important opportunity to mitigate greenhouse gas emissions. Firms that capture and flare CH<sub>4</sub> or use that CH<sub>4</sub> to generate energy create a net reduction in CO<sub>2</sub>-equivalent emissions from the reduction of CH<sub>4</sub> to CO<sub>2</sub>. Managing these emissions before being required to do so under Federal Law provides an opportunity for firms to generate marketable GHG reduction credits for sale on the open market.

In the GHG credit market, buyers often are concerned about whether the GHG reductions they are buying are 'real'. To address this concern, most transactions require that the credits be verified by a third party prior to sale. This presentation will focus on the verification process for LFG projects, with examples provided for the verification of GHG credits for the Chicago Climate Exchange. We will discuss data requirements, supporting documents, the audit process and challenges. The presentation will conclude with a list of steps landfill operators should take to ensure that their emissions can be verified.